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## **Taffy Mine**

**1. Location/Land Status:** The Taffy Mine is located on U.S. Forest Service land within Section 15, T12N, R9W on the USGS Dos Lomas quadrangle (35.279833N, 107.759389W) approximately 9.5 miles northeast of Grants, NM. Physical access to the mine can be gained by traveling 8 miles east from Grants on Lobo Canyon Road, northwest (left) approximately 4.5 miles on USFS 450, then 3 miles north on an undesignated access road. The mine is then reached on foot approximately 0.8 miles. Conditions on USFS450 can be dangerous, therefore SMA recommends checking with Chuck Hagerman at the USFS station in Grants before traveling this area.

**2. Human Activity:** No evidence of human activity was noted.

**3. Radiological Survey:** Radiological survey results were as follows: ground surface maximum of 38  $\mu\text{R}/\text{hour}$  and minimum of 9  $\mu\text{R}/\text{hour}$ . Four-foot elevation maximum was 44  $\mu\text{R}/\text{hour}$  and minimum was 7  $\mu\text{R}/\text{hour}$ . Background radiation level is approximately 20  $\mu\text{R}/\text{hour}$ .

**4. Mine Disturbance:** The mine consists of two lateral cuts into the side of the mesa. There is little evidence of the mine remaining as most of the site and the road leading to the site has been extensively eroded. The mine site is marked by several horizontal borings into green sediments, remains of an unknown iron structure, and a single 55 gallon drum.

**5. Plant Community:** The vegetation on site consists of 40% bare ground, 10% woody scrub, 20% forbs, and 20% grass.

**6. Soils:** Site soils are silty sands with 0-5 percent slope, 0-4 inches loam, 4-12 inches silty sands with minor gravels, and rhyolitic/andesitic bedrocks at 12-60 inches.

**7. Wildlife:** There were signs of elk, deer, various rodents, and fox observed on site.

**8. Land Use:** The land use in this area is dominated by light to moderate grazing and wood cutting.

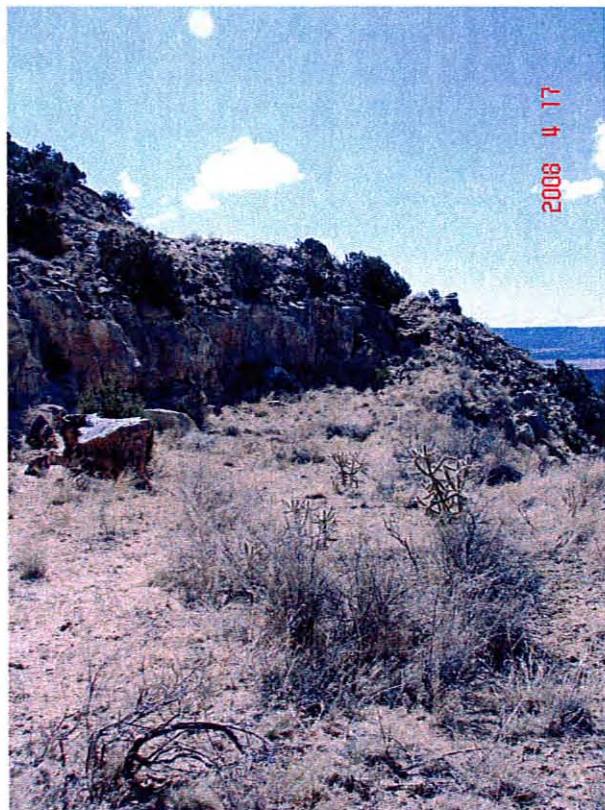
**9. Off-Site Impacts:** No off-site impacts were noted, however, the cut and associated roads show extensive erosion.

**10. Topographic Features:** The site is cut into the side of a mesa.

**11. Hydrogeology:** Based on a review of the NMOSE iWaters database, the nearest wells to the site are approximately 1.5 miles away. The nearest well with depth to water listed in the database is approximately 3.5 miles southeast of the mine. This well has depth to water of 120 feet.



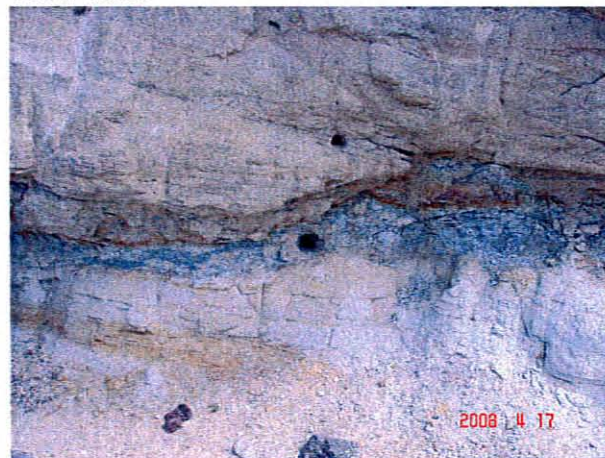
The nearest surface water drainage feature is approximately one-tenth of a mile to the west of the site.



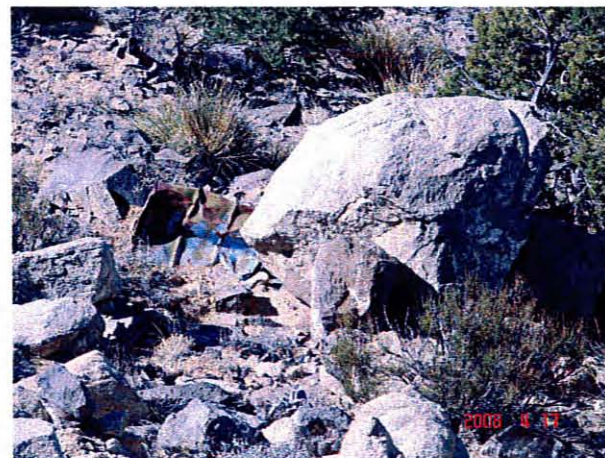
View east



Former structure (?)



Horizontal 4" borings



Trash





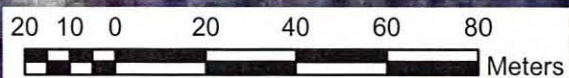
Forest Service Land

- Drill hole
- Elk & rodent
- Radiation survey point



## Taffy Mine

T12N, R09W, Sec. 15  
SE Corner of the USGS Dos Lomas  
7.5' Quadrangle  
East 248660, North 3907180, NAD 83



1:1,600

## AUM Field Survey Data Sheet

Site Taffy

Date <u>4/17/08</u>	Time On-Site	Time Off-Site	By <u>Marta Baldwin</u>	
Weather Conditions:				
<b>Disturbances</b>	<b>GPS#</b>	<b>Description</b>	<b>Dim/Area/Volume</b>	<b>Photo #'s</b>
Shafts				
Adits				
Pits				
Waste Rock Dumps				
Tailings				
Trenches				
Roads				
Erosional Features		<u>cuts heavily eroded</u> <u>- 2 horn boreholes</u>		
<b>Structures / Equipment</b>	<b>GPS#</b>	<b>Description</b>	<b>Dimensions</b>	<b>Photo #</b>
Buildings				
Headframes				

## AUM Field Survey Data Sheet

Site Tahty

Equipment				
Soils	GPS#	Description	Extent	Photo #
Vegetation	GPS#	Description	Extent	Photo #
		20% grass 20% forbs 10% shrubs 10% trees 40% - bare		
Wildlife	GPS#	Description		Photo #
		elk, deer, rodents, fox		
Human Activity (non-mining, w/in 0.5 mi of site)	GPS#	Description	Extent	Photo #
		none		
Land Use (grazing, agricultural, roads, etc., w/in 0.5 mi of site)	GPS#	Description	Extent	Photo #
		lt-med grazing w/stocking =		
Nearby Residences / Wells (w/in 0.5 mi of site)	GPS#	Description	Distance to Site	Photo #
Topographic Features (roads, water courses, etc.)	GPS#	Description		Photo #



## AUM Field Survey Data Sheet

Site

Tuffy2008-4-17

## Radiological Survey

GPS#	Description	Reading Surface	Reading 4 feet
G0	Rad survey	38	44
G1	"	32	28
G2	"	19	15
G3	"	16	14
G4	"	18	16
G5	"	16	14
G6	"	14	11
G7	"	10	8
G8	"	9	7
G9	"	13	16